IRCM-DV+ • Setup Guide

This guide provides instructions for an experienced installer to install and connect an Extron IRCM-DV+. The IRCM-DV+ is a hardwired remote control module for use with an Extron MediaLink® Controller (MLC) or System 5 IP Switcher. It replicates the front panel controls on both a VCR and a DVD player or a combination VCR/DVD player and uses commands stored in the MLC or sytem switcher to control those devices.

Up to two IRCM-DV+ modules or one IRCM-DV+ and up to two other control modules can be daisy chained together and connected to an MLC or System 5 IP switcher for basic A/V source and room control from several locations. One IR Emitter is included with each IRCM-DV+. Additional IR Emitter and shield kits (part number 70-285-01) are available separately.

Installation

CAUTION: Installation and service must be performed by authorized personnel only. You must comply with the following UL requirements:

1. This unit is not to be connected to a centralized DC power source or used beyond its rated voltage range.
2. The IRCM-DV+ must be installed in a UL listed junction box.
3. The unit must be installed in accordance with the National Electrical Code and with local electrical and safety codes.

Step 1

Turn off all equipment and disconnect the equipment from the power source.

Step 2

Set the DIP switches on each control module as shown at right:

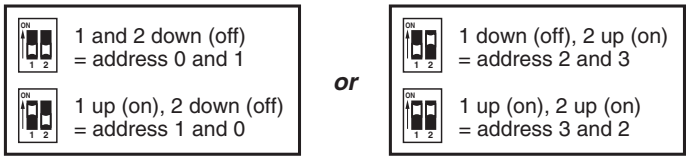


Figure 1. Setting DIP Switches

NOTES:

- Each IRCM-DV+ is assigned two addresses simultaneously: 0 and 1, ***or*** 2 and 3. The higher numbered address (1 or 3) address stores VCR commands, the other (0 or 2) stores DVD commands in the memory of the controller or system switcher. If an IRCM-DV+ is assigned addresses 0 and 1, a different type of control module can be assigned to address 2 or 3.
- Each module must have a unique address. If other modules have the same addresses as the IRCM-DV+, then address conflicts may cause one or both modules to not be recognized by the controller or switcher.

Each controller or system switcher can support four control module addresses. Because each IRCM-DV+ is assigned two addresses, you can connect only one other IRCM-DV+ or up to two single-address control modules to each controller or system switcher.

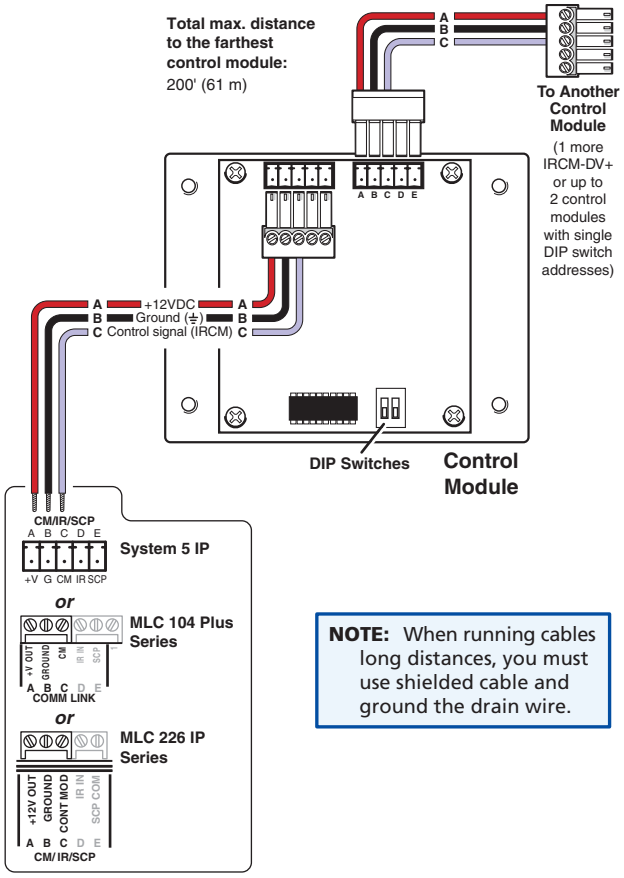
Step 3

Attach the IRCM-DV+ control module(s) to the Extron faceplate(s) or Architectural Adapter Plate (AAP) wallplate(s). The IRCM-DV+ fits into a four space high opening.

Step 4

Connect the IRCM-DV+ to the MLC or System 5 IP, and connect any other control modules to each other (if applicable) and to the IRCM-DV+. See the diagram in figure 2 at right for details.

Both 5-pole connectors are interchangeable. Wire both ends of the cable the same (pin A to pin A, for example). Do not connect more than one IR Link or two SCP control pads.



NOTE: When running cables long distances, you must use shielded cable and ground the drain wire.

Figure 2. Connecting the IRCM-DV+ to a System 5 IP or an MLC and Another Control Module

Step 5

Connect IR Emitters (one per each VCR, DVD player, or other device being controlled) to the MLC or System 5 IP, and affix each emitter head near the IR receiver of the device (VCR, DVD player).

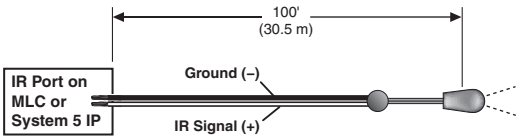


Figure 3. IR Emitter Wiring

Step 6

Restore power to the devices and set up the MLC or System 5 IP.

NOTES:
- The configuration should be created and uploaded to the MLC before the MLC is installed into the wall or furniture.
- Configuration and IR command learning require an RS-232 or IP/LAN connection to the System 5 IP or the MLC 104/226. See the user or setup guide for the MLC or switcher and the software help file for details on installing, operating, and setting up that device.

a. **Associate the IRCM-DV+ with inputs** on the MLC or System 5 IP. In Global Configurator, assign the DVD half of the IRCM-DV+ to an input button, then assign the VCR half to another input button. For detailed procedures, see the *Global Configurator Help* file.

b. For the System 5 IP or MLC 104 Plus or MLC 226 IP Series, if an Extron-created driver is available for the VCR and the DVD or the combination VCR-DVD player, **download the device driver(s)** to the PC and load the commands to the Global Configurator project.

c. If needed, **perform IR learning** (the process by which the MLC or system switcher stores commands from an infrared remote control) for each IRCM button for each device (VCR and DVD). See the the *MLC* or *System 5 IP User Guide*.

Step 7

Test the system.

- Verify that the DIP switches on the IRCM are set correctly.
- Verify that cables to and from the IRCM are wired the same at each end (pin A to pin A, pin B to pin B, and so forth).
- Verify LED function and check the responses of the VCR and DVD players.

NOTE: You must recycle power to an MLC in order for it to recognize an IRCM-DV+ or any other control modules that have been added after initial power-on.

Step 8

Once configuration and testing are complete, mount the MLC and the control module(s) into the wall/furniture.

Front Panel Features and Operation

① **DVD LED** (amber) — Lights while the MLC or switcher input associated with the DVD player is selected.

② **VCR LED** (amber) — Lights while the input associated with the VCR is selected.

NOTES:
- When an input that is not associated with that part of the IRCM-DV+ is selected, LEDs ① and ② turn off.
- The MLC or System 5 IP input must be selected (active) before either part (DVD or VCR) of the IRCM-DV+ can be activated and control the DVD or VCR.

③ **Tx (transmit) LED** — This LED lights whenever an IRCM-DV+ button is pressed.

④ **Function buttons** — These buttons replicate whichever VCR and DVD player controls you assigned to them during configuration.

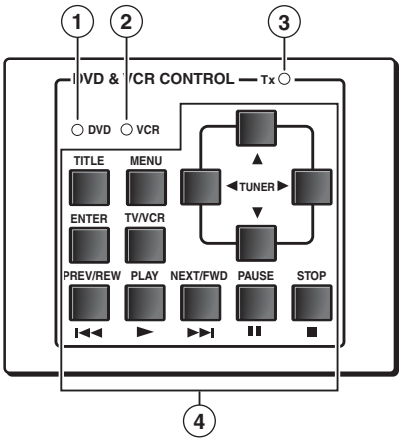


Figure 4. Front Panel

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68-689-50
Rev. A
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